| dex of (| |
|--------------|--|
| | |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/542,765 | TAKAO ET AL. |
| Examiner | Art Unit |
| HUNG T. NGUYEN | 2612 |

| √ | Rejected | | (Through numeral) Cancelled | N | Non-Elected | A | Appeal |
|----------|----------|---|--------------------------------|---|--------------|---|----------|
| = | Allowed | ÷ | Restricted | ı | Interference | 0 | Objected |

| | | 0 | | Date | | | | Claim Date | | | | | | | | aim | Date | | | | | | | | | | | | | | | |
|--|----------|----------|--------------|--------------|--|----------|----|------------|-----------------|-----------|----------|----------|--|----------|----------|---------------|----------|----------|----------|----------|----------|------------|------------------|----------|-------------------------|----------|-----------|----------|----------|---------------|----------|----------|
| Cla | aim - | 1 | , | _ | , ' | Dai T | T | _ | _ | | | | | | | $\overline{}$ | Jale | | | | \dashv | <u>-</u> - | | | Τ | _ | | | | $\neg \tau$ | -т | \dashv |
| = | <u>ब</u> | 1 | | • | | ĺ | | 1 | 1 | | 1 = | Original | | | | | | | ļ | | | = | Original | | | | | | | | | |
| Final | <u> </u> | +/ | | | l | | | 1 | | 1 | Final | <u>:</u> | | | | | | | | | | Final | <u>:</u> <u></u> | | | - 1 | | | | . | - 1 | |
| ш. | Original | 7 | | | | | | 1 | | | " | ō | | | | | | | | | | " | Ιŏ | | | | | | | . | - 1 | |
| | <u> </u> | | | _ | <u> </u> | ╄ | ╁ | ╀ | ┵ | Н | <u> </u> | | - | | | - | \dashv | \dashv | - | \dashv | \dashv | - | 1 | Н | - | - | | | | \dashv | | \dashv |
| | 1 | = | | | - | ⊢ | ╁ | ┼- | + | \vdash | - | 51 52 | H | Н | | Н | | | | | | - | 101 | \vdash | - | - | \dashv | \dashv | \dashv | \dashv | \dashv | _ |
| | 2 | = | | - | ├ | ╀ | ╀ | + | + | Н | - | | H | | | Н | | | \dashv | \dashv | | \vdash | 102 | | \vdash | -+ | \dashv | \dashv | \dashv | \dashv | \dashv | - |
| | 3 | = | <u> </u> | <u> </u> | ├- | ⊬ | ╀ | + | + | Н | - | 53 | ┢ | Н | | Н | \dashv | - | - | \dashv | - | \vdash | 103 | | \vdash | - | \dashv | \dashv | | \dashv | \dashv | _ |
| | 4 | = | | _ | <u> </u> | ╀ | ╀ | ╁ | ا نہ | H | - | 54 55 | | | | | \dashv | - | \dashv | \dashv | \dashv | <u> </u> | 104 | | \mapsto | -1 | \dashv | \dashv | | \dashv | | |
| | 5 | = | _ | <u> </u> | ⊢ | ₽ | ╄ | ╁ | + | \vdash | - | 56 | H | Н | | H | \dashv | - | \dashv | \dashv | - | - | 105 106 | | \vdash | - | _ | \dashv | \dashv | \dashv | \dashv | _ |
| | 6 | = | | - | ļ | ╀ | ╁ | ╁ | ╫ | Н | | 57 | | Н | _ | Н | - | | { | | | | 107 | | \vdash | - | - | \dashv | \dashv | \dashv | \dashv | _ |
| <u> </u> | 7 | _ | ⊢ | ⊢ | | ╀ | + | + | + | H | - | 58 | - | - | _ | \vdash | | | \dashv | - | | | 107 | - | ┝ | ┵ | _ | \dashv | \dashv | \dashv | \dashv | |
| | 8 9 | = V | | | | ╀ | + | + | + | H | - | 59 | \vdash | Н | | \vdash | \dashv | | ᅱ | \dashv | - | - | 109 | - | ╟╌┼ | \dashv | \dashv | \dashv | \dashv | \rightarrow | \dashv | |
| | 10 | Ÿ | _ | ├ | \vdash | ╁ | ┼ | ╁ | ╫ | H | - | 60 | H | - | | | \dashv | - | \dashv | \dashv | \dashv | - | 110 | - | | ┥ | \dashv | \dashv | \dashv | \dashv | \dashv | \dashv |
| | 11 | Ÿ | | H | ⊢ | ╁ | ╁ | ╁ | + | H | | 61 | | Н | | Н | \dashv | - | \dashv | \dashv | \dashv | | 111 | H | \vdash | - | | - | \dashv | \dashv | \dashv | \dashv |
| | 12 | = | \vdash | \vdash | \vdash | + | + | + | + | H | | 62 | | \vdash | | Н | \vdash | \dashv | \dashv | \dashv | \dashv | - | 112 | \vdash | ╟┼ | - | \dashv | \dashv | _ | \dashv | \dashv | \dashv |
| | 13 | = | \vdash | \vdash | - | + | + | ╁ | ╁ | H | | 63 | \vdash | \vdash | | Н | \vdash | \dashv | \dashv | \dashv | \dashv | - | 113 | \vdash | \vdash | | - | \dashv | - | \dashv | \dashv | \dashv |
| <u> </u> | 14 | Ë | - | - | 1 | ╂ | +- | +- | + | H | | 64 | \vdash | \vdash | | \vdash | - | | | | | - | 114 | | \vdash | \dashv | ᅱ | \dashv | | | | |
| | 15 | - - | \vdash | \vdash | - | ╁ | - | +- | ╫┈ | + | \vdash | 65 | \vdash | \vdash | | \vdash | \vdash | | | \dashv | \dashv | | 115 | | \vdash | \dashv | \dashv | \dashv | - | -+ | | - |
| | 16 | Ľ | \vdash | \vdash | \vdash | ╁ | ╁ | + | + | | \vdash | 66 | \vdash | \vdash | | Н | \vdash | - | | \dashv | \dashv | | 116 | \vdash | \vdash | \dashv | \dashv | \dashv | - | \dashv | \dashv | \dashv |
| | 17 | <u> </u> | | - | | ╁╌ | ╁ | + | + | H | \vdash | 67 | \vdash | \vdash | - | \vdash | \vdash | | - | \dashv | \dashv | - | 117 | | \vdash | \dashv | \dashv | | | \dashv | \dashv | \dashv |
| | 18 | | | | ├ | ╁ | ╁╌ | ╁╌ | ╁ | Н | <u> </u> | 68 | \vdash | | _ | | | | \dashv | \dashv | \dashv | - | 118 | | \vdash | \dashv | | | - | \dashv | \dashv | = |
| | 19 | \vdash | - | - | ├ | ╁ | ╁┈ | ╁ | ╁ | H | - | 69 | ⊢ | - | _ | | \vdash | \dashv | - | - | \dashv | - | 119 | - | ╟┤ | - | | | | \dashv | \dashv | \dashv |
| - | 20 | _ | H | ⊢ | ⊢ | ╁ | ╁╾ | ╁╌ | - | H | - | 70 | ⊢ | Н | | Н | \vdash | | | | - | | 120 | · | \vdash | \dashv | \dashv | \dashv | | - | \dashv | - |
| | 21 | | - | ⊢ | ├ | ┿ | ╁┈ | + | ╁ | H | - | 71 | ┢ | Н | | H | | | \dashv | - | \dashv | | 121 | \vdash | \vdash | - | | | - | \dashv | \dashv | = |
| | 22 | | | | \vdash | ╁ | ╁ | + | + | Н | - | 72 | \vdash | Н | _ | | - | - | - | \dashv | \dashv | - | 122 | - | - | | - | - | | \dashv | \dashv | _ |
| <u> </u> | 23 | | | ├ | ├ | ┿┈ | ╁╾ | ┼ | ╫ | H | <u> </u> | 73 | ┢ | Н | | Н | \vdash | ┰ | - | | \dashv | | 123 | \vdash | \vdash | \dashv | \dashv | \dashv | \dashv | | \dashv | \dashv |
| | 24 | - | ├ | ⊢ | ├ | ╁ | ╁ | - | | H | | 74 | ┢ | | | Н | \vdash | \dashv | | | | - | 124 | | \vdash | - | | - | | \dashv | - | \dashv |
| | 25 | _ | ┝ | ⊢ | ╁ | ╁ | ╁ | ┼ | ╁ | H | | 75 | ├─ | - | - | Н | \vdash | | \dashv | \dashv | \dashv | | 125 | - | \vdash | \dashv | \dashv | \dashv | - | \dashv | ᅱ | |
| | 26 | | \vdash | ┢ | ⊢ | + | ╁ | + | + | Н | - | 76 | ┢ | H | | \vdash | | -+ | - | \dashv | \dashv | | 126 | \vdash | \vdash | \dashv | ᅱ | \dashv | - | - | \dashv | \dashv |
| | 27 | _ | | ├ | \vdash | ╁ | + | + | + | Н | - | 77 | ╁ | Н | | Н | - | | \dashv | - | \dashv | | 127 | ┝ | | \dashv | \dashv | | \dashv | \dashv | ᅥ | \dashv |
| - | 28 | | - | \vdash | ⊢ | + | + | + | + | Н | - | 78 | ┢ | Н | | H | \vdash | \dashv | \dashv | \dashv | \dashv | | 128 | - | ┢ | - | | | - | \dashv | \dashv | \dashv |
| | 29 | _ | | | ┢ | ╁╴ | ╁╌ | ╁ | ╁ | Н | <u> </u> | 79 | ├ | Н | | Н | | | \dashv | | \dashv | \vdash | 129 | \vdash | \vdash | \dashv | \dashv | \dashv | - | \neg | ┪ | 一 |
| | 30 | - | - | - | ╁ | ╁ | ╁╴ | ╁╴ | ╁ | H | - | 80 | ╁ | | | \vdash | | \dashv | \dashv | \dashv | \dashv | | 130 | \vdash | | ┪ | \dashv | | ᅱ | \dashv | \dashv | - |
| <u> </u> | 31 | - | \vdash | ├ | ┢ | ╁ | ╁╴ | ╁ | ╁ | H | - | 81 | ╁ | | | Н | \vdash | \dashv | \dashv | + | \dashv | - | 131 | - | ┝ | - | - | \dashv | - | \dashv | \dashv | |
| <u></u> | 32 | \vdash | \vdash | ⊢ | ├ | ┼~~ | ╁╾ | ╁ | ╁╌ | Н | - | 82 | ┢ | - | _ | Н | \vdash | \dashv | | | | | 132 | | \vdash | - | \dashv | _ | | - | \dashv | _ |
| | 33 | | | | - | + | + | + | + | H | - | 83 | \vdash | - | | Н | \vdash | { | | | | | 133 | \vdash | \vdash | \dashv | \dashv | - | | -+ | \dashv | _ |
| | 34 | - | \vdash | - | \vdash | + | + | + | + | H | _ | 84 | \vdash | H | | \vdash | \vdash | | - | \dashv | ᅥ | | 134 | | \vdash | \dashv | - | \dashv | | \dashv | -+ | _ |
| \vdash | 35 | \vdash | \vdash | \vdash | | 1 | + | 1 | + | H | 1 | 85 | 1 | \vdash | | Н | | ᅱ | \dashv | \dashv | \dashv | \vdash | 135 | \vdash | \vdash | \dashv | ᅱ | | - | \dashv | \dashv | _ |
| | 36 | \vdash | \vdash | | \vdash | ╁ | ╁ | + | + | + | | 86 | - - | \vdash | Н | Н | \vdash | \dashv | \dashv | \dashv | \dashv | | 136 | | | ᅱ | \dashv | | | \dashv | \dashv | _ |
| | 37 | \vdash | ┢ | \vdash | + | +- | ╁ | +- | +- | + | \vdash | 87 | \vdash | \vdash | | Н | \vdash | - | \dashv | \dashv | \dashv | \vdash | 137 | | $\vdash \vdash$ | - | \dashv | \dashv | - | \dashv | \dashv | |
| \vdash | 38 | \vdash | \vdash | \vdash | \vdash | ╁ | ╁ | ╁ | +- | H | - | 88 | \vdash | - | | \vdash | \vdash | | \dashv | | \dashv | - | 138 | | \vdash | ᅱ | \dashv | | \dashv | \dashv | \dashv | _ |
| \vdash | 39 | \vdash | \vdash | \vdash | \vdash | \vdash | + | + | + | H | - | 89 | \vdash | | - | Н | \vdash | - | \dashv | \dashv | \dashv | \vdash | 139 | | \vdash | \dashv | | \dashv | - | \dashv | \dashv | _ |
| <u> </u> | 40 | \vdash | \vdash | \vdash | \vdash | ╁ | + | + | + | H | - | 90 | \vdash | | - | Н | \vdash | | \dashv | \dashv | \dashv | | 140 | \vdash | $\vdash \vdash$ | \dashv | \exists | \dashv | \dashv | \dashv | \dashv | |
| | 41 | - | | - | +- | +- | ╁╴ | +- | + | H | | 91 | | \vdash | \vdash | \vdash | \vdash | -1 | \neg | - | \dashv | | 141 | | $\vdash \vdash$ | \dashv | \dashv | \dashv | - | \dashv | \dashv | - |
| <u> </u> | 42 | \vdash | \vdash | | | \vdash | + | + | + | H | | 92 | \vdash | \vdash | | \vdash | \vdash | \dashv | \dashv | \dashv | \dashv | \vdash | 142 | | \vdash | \dashv | \dashv | \dashv | | \dashv | ┥ | _ |
| <u> </u> | 43 | \vdash | \vdash | \vdash | \vdash | ╁ | + | ╁ | + | \vdash | \vdash | 93 | ┢ | | Н | Н | \vdash | \dashv | \dashv | \dashv | \dashv | | 143 | | $\vdash \vdash$ | \dashv | \dashv | \dashv | \neg | - | | _ |
| _ | 44 | - | \vdash | \vdash | \vdash | + | + | + | + | \vdash | | 94 | \vdash | \vdash | - | \vdash | \vdash | - | \dashv | \dashv | \dashv | | 144 | \vdash | \vdash | \dashv | \dashv | \dashv | | \dashv | - | _ |
| <u> </u> | 45 | \vdash | \vdash | \vdash | \vdash | + | + | + | + | H | | 95 | \vdash | | Н | Н | \vdash | \dashv | \dashv | \dashv | \dashv | | 145 | \vdash | $\vdash \uparrow$ | - | | _ | \dashv | - | | \neg |
| | 46 | - | | - | ╁╌ | ╁╴ | +- | ╁ | + | H | - | 96 | ╁ | \vdash | | \vdash | \vdash | \dashv | \dashv | \dashv | \dashv | | 146 | \vdash | | \dashv | \dashv | - | - | \dashv | \dashv | _ |
| <u> </u> | 47 | - | | | † | +- | - | +- | + | \vdash | - | 97 | | \vdash | H | \vdash | \vdash | \dashv | \dashv | - | \dashv | - | 147 | \vdash | $\mid \rightarrow \mid$ | \dashv | - | - | \neg | \dashv | \dashv | _ |
| | 48 | \vdash | \vdash | \vdash | H | 1 | + | + | + | H | | 98 | \vdash | \vdash | \vdash | - | \vdash | - | | | \dashv | | 148 | Н | $\vdash \vdash$ | \dashv | ᅱ | - | - | \dashv | - | \neg |
| | 49 | _ | - | | | \vdash | ╁╌ | + | + | H | | 99 | \vdash | - | - | \vdash | \vdash | | | - | \dashv | - | 149 | | \vdash | \dashv | \dashv | \dashv | | \dashv | \dashv | \dashv |
| | 50 | - | | - | 1 | + | ╁ | + | + | H | _ | 100 | \vdash | | | \vdash | | - | \dashv | \dashv | \dashv | | 150 | | \vdash | - | | | \dashv | \dashv | 一 | \dashv |
| Щ_ | 1 30 | | L | <u></u> | <u> </u> | 1_ | | 1_ | | لـــــــا | L | 1 100 | L | | \Box | | ᆫᆚ | 1 | ! | 1 | | | 1.50 | | | | | | | | | |